



PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A01N 63/00		A1	(11) International Publication Number: WO 98/47374
			(43) International Publication Date: 29 October 1998 (29.10.98)
(21) International Application Number:	PCT/US98/07307		
(22) International Filing Date:	10 April 1998 (10.04.98)		
(30) Priority Data:	60/044,643 18 April 1997 (18.04.97)	US	
(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application	US 60/044,643 (CIP)		
	Filed on 18 April 1997 (18.04.97)		
(71) Applicant (for all designated States except US):	GANEDEN BIOTECH, INC. [US/US]; 8738-6 Villa La Jolla Drive, La Jolla, CA 92037 (US).		
(72) Inventors; and			
(75) Inventors/Applicants (for US only):	FARMER, Sean [US/US]; 8738-6 Villa La Jolla Drive, La Jolla, CA 92037 (US). MIKHAIL, Robert, J. [US/US]; 1493-B E. Lexington Avenue, El Cajon, CA 92109 (US).		
(74) Agent:	FITTING, Thomas; Suite 300, 12526 High Bluff Drive, San Diego, CA 92130 (US).		

(54) Title: TOPICAL USE OF PROBIOTIC BACILLUS SPORES TO PREVENT OR CONTROL MICROBIAL INFECTIONS

(57) Abstract

Compositions including an isolated *Bacillus* species, spores or an extracellular product of *B. coagulans*, suitable for topical application, for inhibiting growth of yeast, fungus, bacteria or Herpes simplex virus are disclosed. Methods of inhibiting growth of yeast, fungus, bacteria or Herpes simplex virus by topical application of compositions that include an isolated *Bacillus* species, spores or an extracellular product of a *B. coagulans* strain are disclosed.